

## Geographic Spread



South Carolina reported **local activity** this week.

## Influenza Activity



Overall, there was a decrease in influenza activity this week.

## Regional Influenza Activity



No change



No change



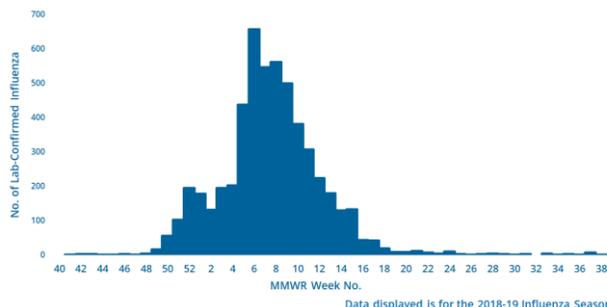
No change



No change

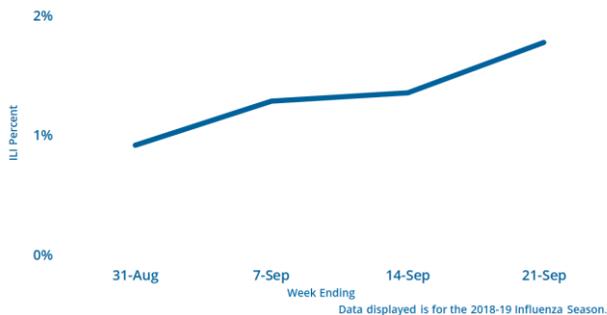
## Virologic Surveillance

This week **2** lab-confirmed tests were reported. In the current flu season, there have been **4755** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **1.78%**, which is **below** South Carolina's baseline (**3.53%**). The ILI activity level overall was **minimal**.



## Influenza-Associated Hospitalizations

This week **2** influenza-associated hospitalizations were reported by **31** hospitals. The cumulative hospitalization rate is **55.2 per 100,000**. In the current flu season, there have been **2774** influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week **0** influenza-associated deaths were reported. The cumulative mortality rate is **2.1 per 100,000**. In the current flu season, there have been **105** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

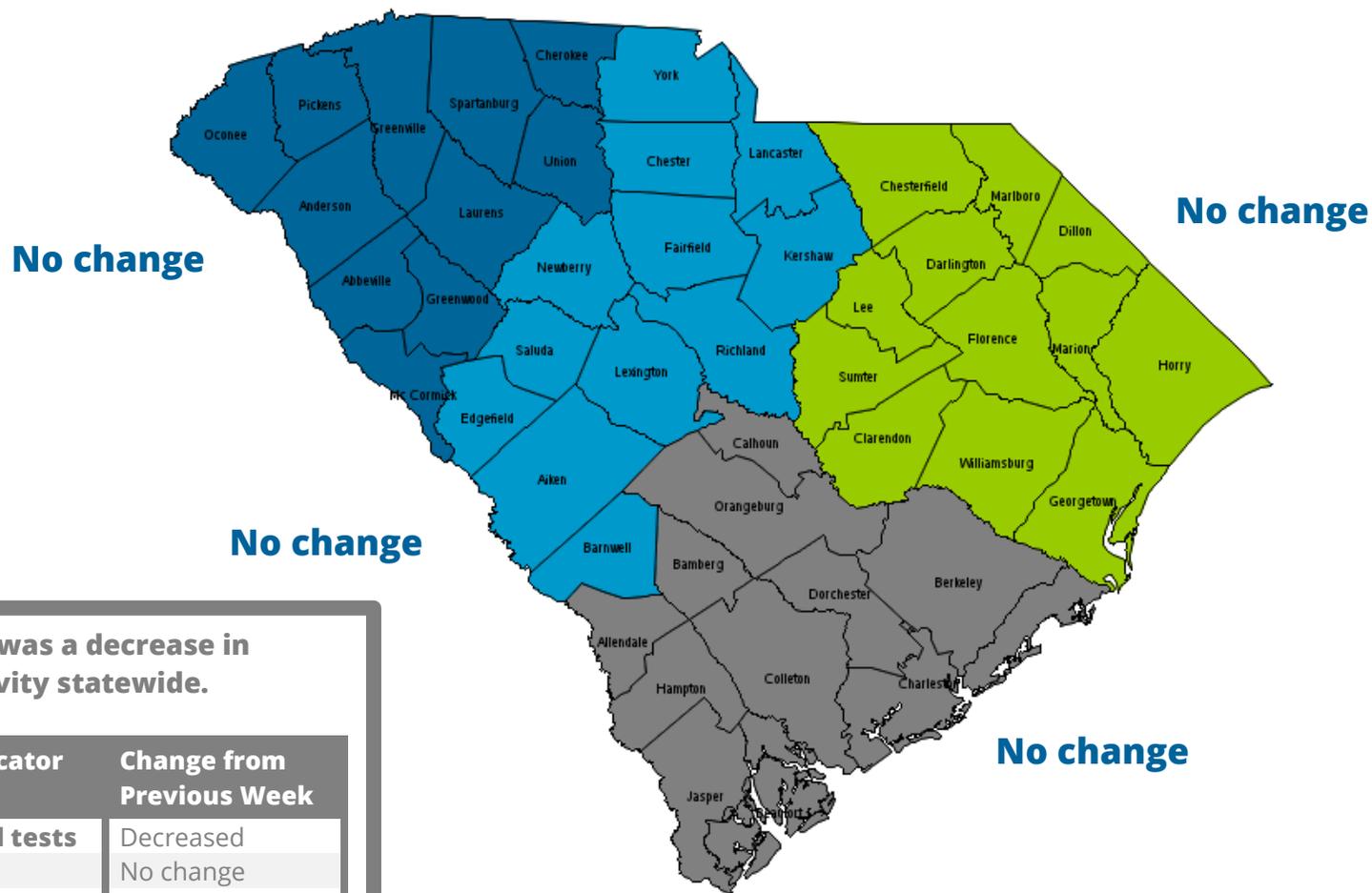
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

# Influenza Activity\*

In the 4 Public Health Regions, activity showed...



Overall there was a decrease in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Decreased
ILI Percent	No change
Hospitalizations	Decreased

\*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

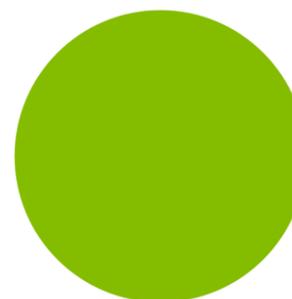
# Virologic Surveillance

Influenza Type	Season Totals To Date					
	No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
<b>Overall</b>		<b>2</b>	<b>4755</b>	<b>3595</b>	<b>2467</b>	<b>1796</b>
<b>Influenza A</b>		<b>0</b>	<b>4594(96.6)</b>	<b>2460(68.4)</b>	<b>1582(64.1)</b>	<b>1294(72)</b>
A(H3)	--	--	611(13.3)	537(21.8)	417(26.4)	282(21.8)
A(H1N1)	--	--	466(10.1)	214(8.7)	64(4.0)	300(23.2)
A(NS)*	--	--	3517(76.6)	1709(69.5)	1101(69.6)	712(55.0)
<b>Influenza B</b>		<b>2(100.0)</b>	<b>161(3.4)</b>	<b>1135(31.6)</b>	<b>885(35.9)</b>	<b>502(28)</b>
B (Victoria)	--	--	2(1.2)	2(0.2)	--	0.4(0.1)
B(Yamagata)	--	--	--	55(4.8)	--	11(2.2)
B (LND)+	2(100.0)	2(100.0)	159(98.8)	1078(95)	885(100)	490(97.7)

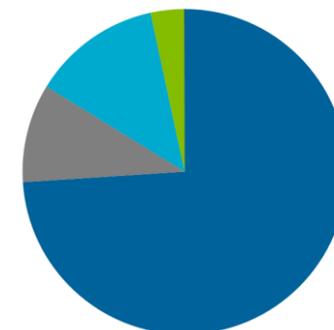
\*NS - not subtyped      +LND - lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

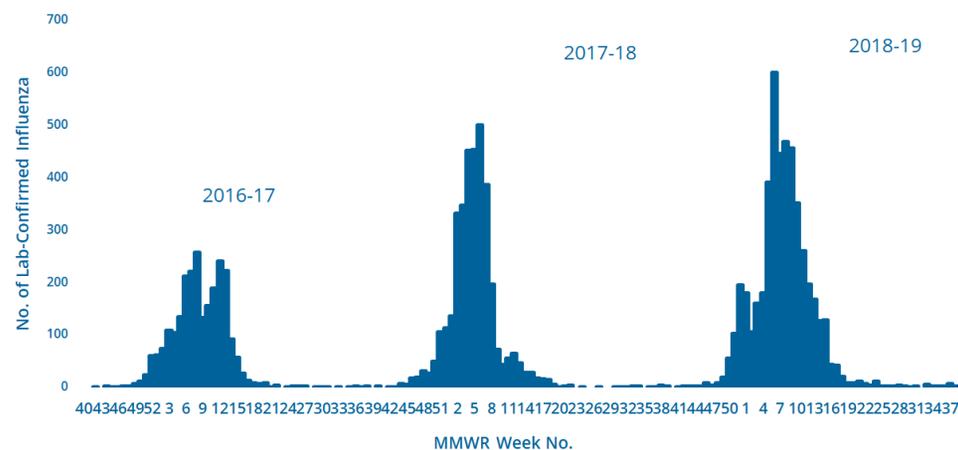
Week ending 9/21



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



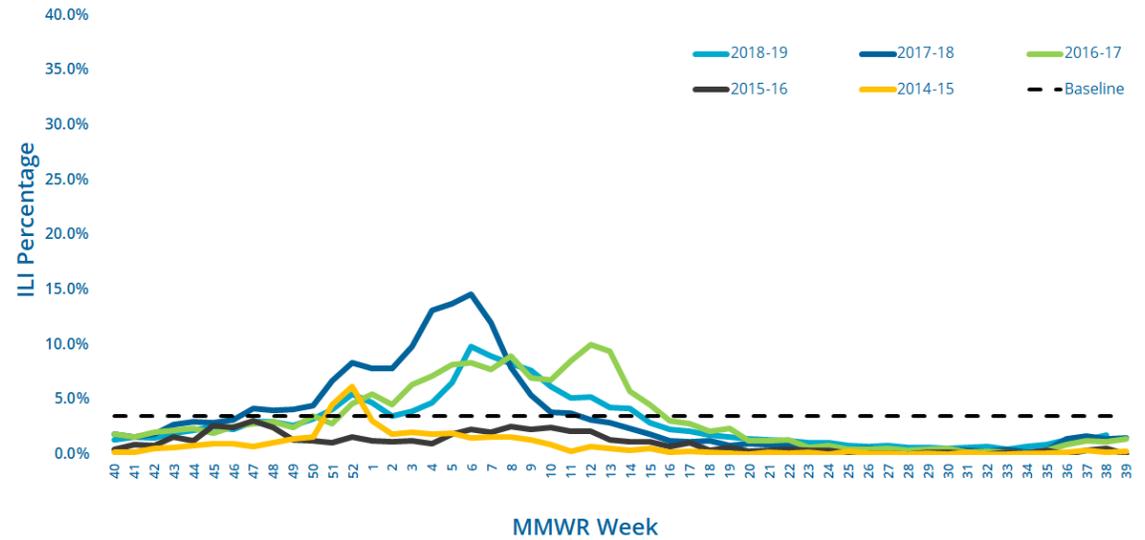
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **1.78%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%**.

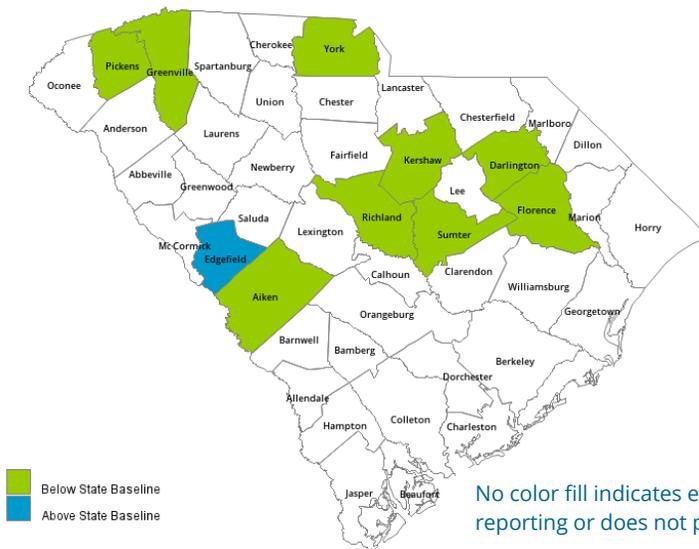
Reports were received from providers in **10** counties, representing all DHEC Public Health regions.

\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\*

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**

# Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
<b>This Week</b>	2	--	--	1	--	1
<b>2018-19</b>	2774(55.2)	130(44.3)	128(15.8)	435(21.2)	679(68.0)	1402(162.2)
<b>2017-18</b>	4549(90.5)	161(54.8)	143(17.6)	596(29.0)	1059(106.1)	2590(299.6)
<b>2016-17</b>	2556(51.5)	117(40.1)	133(16.5)	346(17.0)	576(58.1)	1384(166.8)
<b>5 season average</b>	2753(56.0)	160(55.0)	120(15.0)	448(22.1)	646(65.8)	1379(170.1)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
<b>This Week</b>	--	--	--	--	--	--
<b>2018-19</b>	105(2.1)	2(0.7)	1(0.1)	9(0.4)	24(2.4)	69(8.0)
<b>2017-18</b>	291(5.8)	3(1.0)	--	27(1.3)	52(5.2)	209(24.2)
<b>2016-17</b>	97(2.0)	1(0.3)	1(0.1)	9(0.4)	16(1.6)	70(8.4)
<b>5 season average</b>	130(2.6)	1(0.3)	1(0.1)	15(0.7)	24(2.5)	88(10.9)

